

ABSTRACT OF THE DISCLOSURE

A method and apparatus for implementing predicated instructions using selective conversion to micro-operations is presented. In one embodiment, the predicated instructions may have both a
5 prediction of the predicate value and an indication of the confidence value of that predicted predicate value generated. When the confidence value of the prediction is low, then the predicated instruction may be decomposed into a set of micro-operations that should execute whether the predicate value is true or false. But when the confidence value is
10 high, then the predicated instruction may be decomposed into simpler sets of micro-operations, for the cases when the predicted predicate value is true and for when it is false.